

SAW Filters

RF SAW Filters for GSM SF18 Series (2 in 1 Filter)



RoHS Compliant

Features

- Small size
- Low insertion loss
- High selectivity
- Hermetic seal

Application

- GSM

How to Order

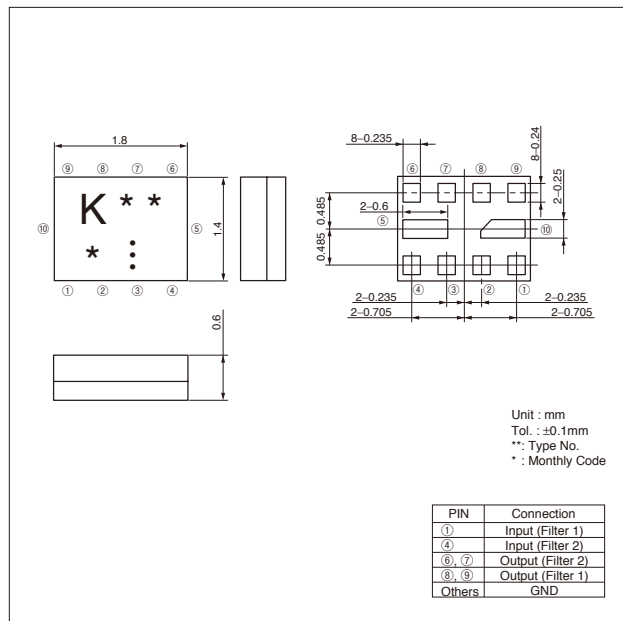
SF 18 - 0942 D A UB A1
 ① ② ③ ④ ⑤ ⑥ ⑦

- ① Type of Product (SAW Filters)
- ② Package Size
- ③ Nominal Center Frequency
- ④ Spec.
- ⑤ Number of Terminals
- ⑥ Input/ Output
- ⑦ Custom Specification (STD)

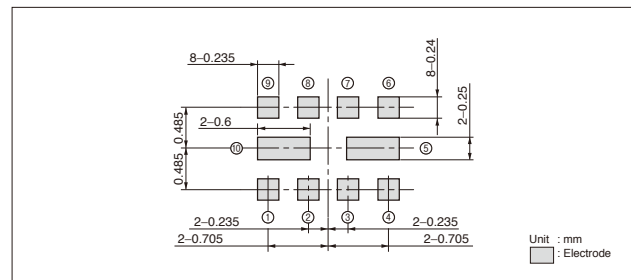
Specifications

Part No.	Output	Application	Pass Band Frequency	Insertion Loss (dB)	Pass Band Variation (dB)	VSWR	Absolute Rejection (dB)						Operating Temperature	Storage Temperature
							0MHz	880MHz	905MHz	980MHz	1025MHz	2880MHz		
SF18-0942DAUBA1	Balanced	(Filter1) GSM900 Rx	925MHz - 960MHz	2.3 max.	1.5 max.	2.3 max.	0MHz 880MHz 45 min.	880MHz 905MHz 25 min.	905MHz 915MHz 15 min.	980MHz 1025MHz 20 min.	1025MHz 2880MHz 35 min.	2880MHz 6000MHz 25 min.	-30 to +85°C	-40 to +85°C
		(Filter2) GSM1800 Rx	1805MHz - 1880MHz	2.3 max.	1.5 max.	2.3 max.	0MHz 1300MHz 35 min.	1300MHz 1705MHz 28 min.	1705MHz 1785MHz 6 min.	1920MHz 1980MHz 16 min.	1980MHz 3000MHz 22 min.	3000MHz 5000MHz 32 min.		
SF18-1842EAUBA1	Balanced	(Filter1) GSM1800 Rx	1805MHz - 1880MHz	2.3 max.	1.5 max.	2.3 max.	0MHz 1300MHz 35 min.	1300MHz 1705MHz 28 min.	1705MHz 1785MHz 6 min.	1920MHz 1980MHz 16 min.	1980MHz 3000MHz 22 min.	3000MHz 5000MHz 32 min.	-30 to +85°C	-40 to +85°C
		(Filter2) GSM1900 Rx	925MHz - 960MHz	2.3 max.	1.5 max.	2.3 max.	0MHz 880MHz 45 min.	880MHz 905MHz 25 min.	905MHz 915MHz 15 min.	980MHz 1025MHz 20 min.	1025MHz 2880MHz 35 min.	2880MHz 6000MHz 25 min.		

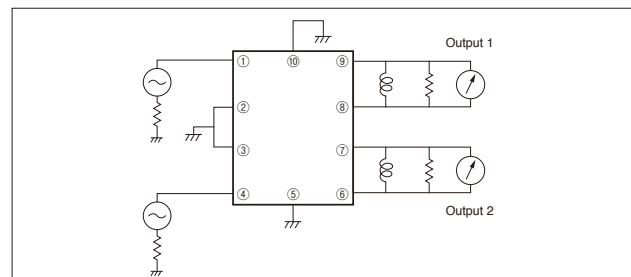
Dimensions



Recommended Land Pattern

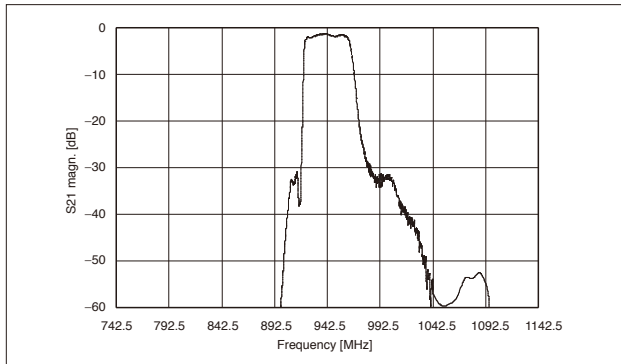


Test Circuit

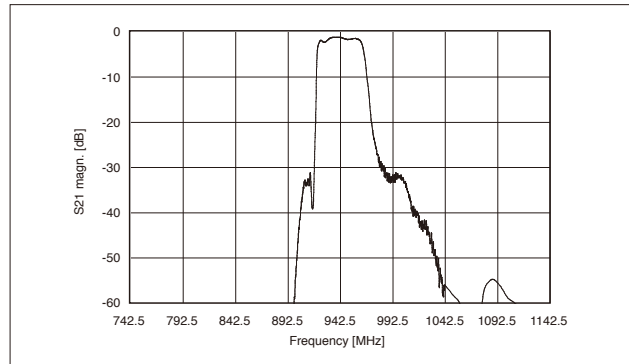


Characteristics

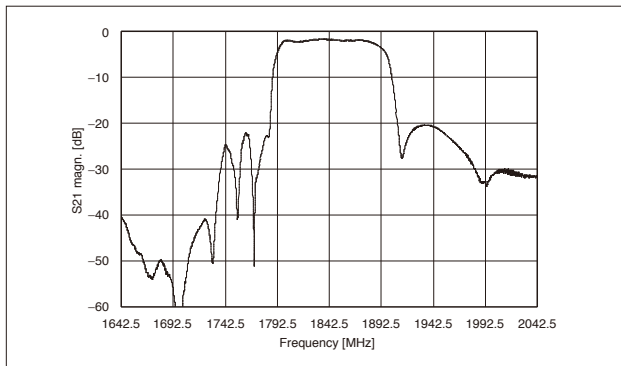
<GSM900> Part No.: SF18-0942DAUBA1



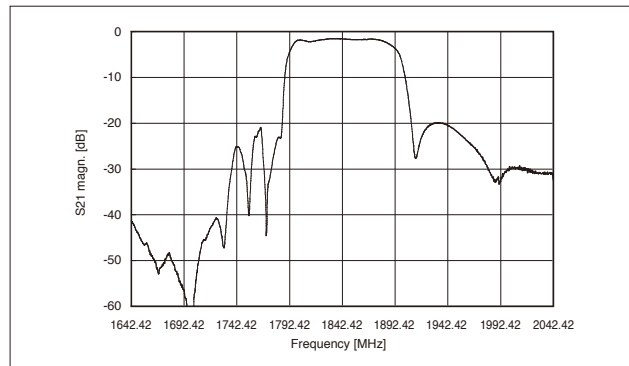
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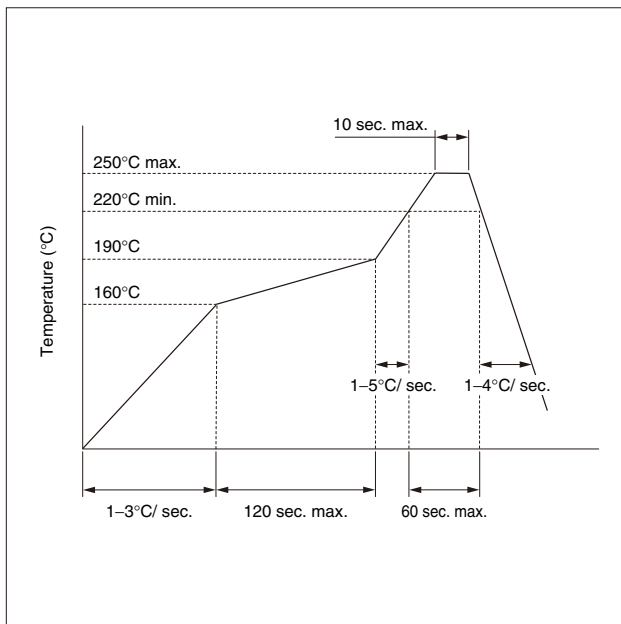
<GSM1800> Part No.: SF18-0942DAUBA1



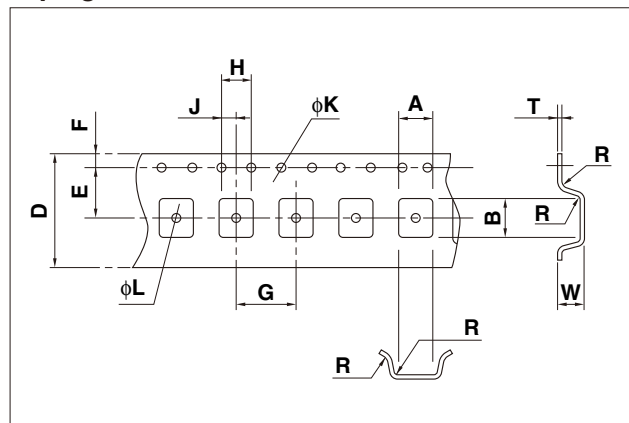
<GSM1800> Part No.: SF18-1842EAUBA1



Recommended Reflow Profile



Taping Dimensions



(Unit: mm)

Part	A	B	D	E	F
Dimension	1.7±0.05	2.05±0.05	8.0±0.1	3.5±0.05	1.75±0.1
Part	G	H	J	K	L
Dimension	4.0±0.1	4.0±0.1	2.0±0.05	1.5 ^{+0.1} _{-0.1}	0.8±0.05
Part	R	W	T		
Dimension	0.2 max.	0.85 ⁺⁰ _{-0.5}	0.2±0.05		